

SHIP: CARRIER STRIKE GROUP 4

SSP #: SERM-002-17

INDEX

ADDENDUM NO One

ITEM NO

TITLE

311-21-001

Ship Service Diesel Generator (SSDG); overhaul

DATED:

SHIP:	<u>CARRIER STRIKE GROUP 4 (CNRMC 9577)</u>	ITEM NO:	<u>311-21-001</u>
COAR:	<u>26</u>	PCN:	<u>NS02-0089</u>
CSWT FILE NO:	<u>311-004</u>	CMP:	<u>NONE</u>
REVISED:	<u>16 Feb 2017</u>	PLANNER:	<u>BENNETT, KEITH</u>

1. SCOPE:

1.1 Title: Ship Service Diesel Generator (SSDG); overhaul

1.2 Location of Work:

1.2.1 Engine Room

1.3 Identification:

1.3.1 Quantity (One EA), Starboard Ship's Service Generator Diesel Engine, Mfr: Caterpillar, Model: 3306, Mfr. Serial Number: 85Z13849, 1800 RPM.

2. REFERENCES:

2.1 Standard Items

2.2 SEBR0539, Service Manual 3304 and 3306 Industrial and Marine Engines

2.3 SEBP1200-02, Parts Manual 3306 Industrial Engine

2.4 S9086-HB-STM-010/CH-233, Diesel Engines

2.5 S9086-GX-STM-030/CH-220, Diesel Engine Cooling Water Systems

3. REQUIREMENTS:

3.1 Coordinate via the SUPERVISOR for an ABS Surveyor to witness each test and inspection.

3.2 Accomplish the requirements of 009-90 of 2.1 for Original Equipment Manufacture (OEM) technical representative to disassemble, inspect, repair, reassemble, test, adjust and provide parts, special tools and technical information of each equipment listed in 1.3 and located in 1.2.

3.3 Remove and dispose of system fluids in accordance with federal, state, and local laws, codes, ordinances, and regulations.

3.4 Install temporary closures over openings caused by removals. Ensure precautions are taken for the protection of each SSDG and component when open for repairs to prevent the entry of dirt and foreign matter. Complete enclosure of engine is not required. Remove each temporary closure upon completion of work or as directed by the SUPERVISOR.

3.5 Disassemble the equipment listed in 1.3 and located in 1.2, in accordance with 2.2, using 2.3 and 2.4 for guidance.

3.5.1 Restore each mating surface exposed by equipment removal. Repair by removing high spots, burrs, abrasions, and foreign matter, where removal can be accomplished by hand tools.

3.5.2 Remove high spots, burrs, abrasions, nicks, corrosion, gasket material, and foreign matter from each exposed flange and mating surface.

3.5.3 Handwork and skim cut each machined, sealing, aligning, mating, and gasket surface.

3.5.4 Chase and tap exposed threaded areas.

3.5.5 Clean exposed parts free of foreign matter, leaving no residue or injurious effects.

3.5.6 Clear and clean pockets and passages free of obstructions and foreign matter.

3.5.7 Clean each sump free of foreign matter.

3.5.8 Inspect each part for wear and defects, in accordance with 2.2.

3.5.9 Measure and record each serial number, size and clearance of each part in accordance with 2.2.

3.5.9.1 Include each size, clearance, fit, and finishe for each wearing part, bearing surface, thrust and journal bearing, seal and packing area, and physical condition of each part not specified for renewal.

Report: SIZES AND CLEARANCES

Date: + 2

3.5.10 Submit one legible copy, in hard copy or approved transferrable media, of a report listing requirements of 3.5.8 and 3.5.9 to the SUPERVISOR.

3.6 Assemble, install, align, adjust, and connect equipment listed in 1.3, fitting and installing each new part in accordance with 2.2:

Total Quantity Required	Name of Part	Piece Number	Ref Number	Figure Drawing Number	Part Number
One EA	Oil Pump	N/A	N/A	N/A	OR-0920
One EA	Water Pump	N/A	N/A	N/A	OR-1006
6 EA	Cylinder Kit	N/A	N/A	N/A	OR-1697
One EA	Head	N/A	N/A	N/A	OR-2549
One EA	Oil Core	N/A	N/A	N/A	OR-3501
One EA	Pump	N/A	N/A	N/A	OR-3537
6 EA	Nozzle	N/A	N/A	N/A	OR-4341
One EA	Reb Cart	N/A	N/A	N/A	OR-6094
One EA	Motor	N/A	N/A	N/A	OR-9855
5 EA	Cap Screw	N/A	N/A	N/A	OS-1594
12 EA	Hex Head Bolt	N/A	N/A	N/A	OS-1615
2 EA	Capscrew	N/A	N/A	N/A	1A-2029
One EA	Spacer	N/A	N/A	N/A	1F-2280
One EA	Hex Head Bolt	N/A	N/A	N/A	1F-5842

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2 EA	O-Ring	N/A	N/A	N/A	1J-9671
One EA	Gasket	N/A	N/A	N/A	1N-9372
3 EA	Gasket	N/A	N/A	N/A	1P-0436
One EA	Fuel Filter	N/A	N/A	N/A	1R-0750
One EA	Oil Filter	N/A	N/A	N/A	1R-1807
One EA	Gasket	N/A	N/A	N/A	1S-4295
One EA	Clip	N/A	N/A	N/A	2B-2404
One EA	Seal	N/A	N/A	N/A	2H-3934
One EA	O-Ring	N/A	N/A	N/A	2J-0157
One EA	O-Ring	N/A	N/A	N/A	2M-9780
4 EA	Lock Nut	N/A	N/A	N/A	2N-2766
One EA	Switch	N/A	N/A	N/A	2N-9768
One EA	Tube	N/A	N/A	N/A	2W-1977
One EA	Tube	N/A	N/A	N/A	2W-1978
One EA	Plate	N/A	N/A	N/A	2W-2345
One EA	Plate	N/A	N/A	N/A	2W-2346
2 EA	Plate	N/A	N/A	N/A	2W-2355
One EA	Tube	N/A	N/A	N/A	2W-2360
One EA	Plate	N/A	N/A	N/A	2W-2379
One EA	Plate	N/A	N/A	N/A	2W-2380
2 EA	Gasket	N/A	N/A	N/A	2W-3679
2 EA	Clamp	N/A	N/A	N/A	2W-7263
2 EA	Clamp	N/A	N/A	N/A	2W-7264
One EA	Kit, Gasket	N/A	N/A	N/A	391-8256
One EA	O-Ring	N/A	N/A	N/A	3J-7354
4 EA	Clip	N/A	N/A	N/A	3L-2875
2 EA	Hex Head Bolt	N/A	N/A	N/A	4F-7957
One EA	Bushing	N/A	N/A	N/A	4M-5317
One EA	Seal	N/A	N/A	N/A	4N-0260
One EA	Seal	N/A	N/A	N/A	4W-0452
One EA	Washer	N/A	N/A	N/A	5D-1753
One EA	Elbow	N/A	N/A	N/A	5K-9243
One EA	Plug	N/A	N/A	N/A	5M-6214
14 EA	Washer	N/A	N/A	N/A	5P-0537
One EA	Washer	N/A	N/A	N/A	5P-4116

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6 EA	Gasket Kit	N/A	N/A	N/A	5P-6768
6 EA	Seal	N/A	N/A	N/A	6F-5559
One EA	Fitting	N/A	N/A	N/A	6L-3616
One EA	Gasket	N/A	N/A	N/A	6L-6580
6 EA	Bolt	N/A	N/A	N/A	6V-2489
One EA	O-Ring	N/A	N/A	N/A	6V-6921
One EA	Line Assy	N/A	N/A	N/A	7C-9771
One EA	Line Assy	N/A	N/A	N/A	7C-9772
One EA	Line Assy	N/A	N/A	N/A	7C-9773
One EA	Line Assy	N/A	N/A	N/A	7C-9774
One EA	Line Assy	N/A	N/A	N/A	7C-9775
One EA	Line Assy	N/A	N/A	N/A	7C-9776
4 EA	Bearing	N/A	N/A	N/A	7M-4046
2 EA	Gasket	N/A	N/A	N/A	7N-0944
2 EA	Screw	N/A	N/A	N/A	104-3039
6 EA	Washer	N/A	N/A	N/A	7W-4487
One EA	Bushing	N/A	N/A	N/A	8B-1931
6 EA	Washer	N/A	N/A	N/A	8H-9204
5 EA	Washer	N/A	N/A	N/A	8M-7145
One EA	Bearing	N/A	N/A	N/A	8N-4110
One EA	Gasket	N/A	N/A	N/A	8N-6058
8 EA	Washer	N/A	N/A	N/A	8T-4122
One EA	Plug	N/A	N/A	N/A	9L-8492
One EA	Tee	N/A	N/A	N/A	9L-8496
One EA	Gasket	N/A	N/A	N/A	9X-6560
3 EA	Gasket	N/A	N/A	N/A	9Y-1979
One EA	Seal	N/A	N/A	N/A	9Y-9895
One EA	Connector	N/A	N/A	N/A	001-7025
One EA	Seal	N/A	N/A	N/A	061-9458
One EA	Motor	N/A	N/A	N/A	10R-0875
2 EA	Thrust Plate	N/A	N/A	N/A	100-3652
One EA	Regulator	N/A	N/A	N/A	111-8010
One EA	Gasket	N/A	N/A	N/A	169-4199
One EA	Gasket	N/A	N/A	N/A	169-4200
4 EA	Bolt	N/A	N/A	N/A	202-9008
7 EA	Bearing,	N/A	N/A	N/A	232-3233

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	Main				
6 EA	Bearing, Rod	N/A	N/A	N/A	328-5572
One EA	Pump	N/A	N/A	N/A	105-2508

3.6.1 Straighten and adjust fuel control rods, operating levers, linkages, and eccentrics to provide freedom of movement.

3.6.2 Measure and record each final size and clearance in accordance with 2.2.

Report: FINAL SIZES AND CLEARANCE

Date: + 2

3.6.2.1 Submit one legible copy, in hard copy or approved transferrable media, of a report listing requirements of 3.6.2 to the SUPERVISOR.

3.6.3 Remove existing and install new gaskets, filters, o-rings, pins, dowels, shims, keys, studs, bolts, and nuts. Material shall conform to specifications in 2.2 and 2.3.

3.6.4 Fill and treat jacket water system in accordance with 2.2, using 2.5 for guidance.

3.6.5 Fill lube oil system to normal operating level in accordance with 2.2.

(V) (G) "OPERATIONAL/LOAD TEST"

3.7 Accomplish an operational/load test of each equipment listed in 1.3 and located in 1.2, in accordance with 2.2.

3.8 Accomplish the requirements of 009-32 of 2.1 for new and disturbed surfaces.

3.9 Install each new aluminized cloth spray shield on lube and fuel oil pipe and valve flanges and components in accordance with ASTM F 1138.

4. NOTES:

4.1 None

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.